PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's o r agent' s file reference 32993-74744	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.				
International application No. PCT/US04/08477	International filing date (day/month/year) 19 March 2004 (19.03.2004)	(Earliest) Priority Date (day/month/year) 20 March 2003 (20.03.2003)			
Applicant ADVANCED RESEARCH AND TECHNOLOGY INSTITUTE, INC.					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.					
Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.					
The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).					
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.					
2. Certain claims were found unsearchable (See Box No. II)					
3. Unity of invention is lacking	ng (See Box No. III)	_			
4. With regard to the title,					
the text is approved as submitted by the applicant.					
the text has been established by this Authority to read as follows:					
	•				
5. With regard to the abstract,					
the text is approved as subm	nitted by the applicant.				
		y as it appears in Box No. IV. The applicant ch report, submit comments to this Authority.			
6. With regard to the drawings,					
a. the figure of the drawings to be published with the abstract is Figure No					
as suggested by the applicant.					
	Authority, because the applicant failed to sugg	•			
as selected by this Authority, because this figure better characterizes the invention.					
b. In none of the figures is to be published with the abstract.					

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

P.CT/US04/08477

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet				
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-8 Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.				

Form PCT/ISA/210 (continuation of first sheet(2)) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/08477

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12Q 1/54 US CL : 435/14 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/14					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST - Patents, PGPubs; STN - Registry, CAPlus					
C. DOCI	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
X	US 5,543,054 A(CHARKOUDIAN, et al.) 06 Augu	1-4, 6			
 Y	20.	5, 7-8			
Y	WANG, CHIN-YU and HSIEH, YOU-ZUNG, Analysis of Chitin OligoSaccharides by Capilary Electrophoresis with Laser-Induced Fluorescence, Journal of Chromatography A, 2002, Vol. 979, pp. 431-438, especially Absract, 431-43433, 436.				
Y	Methane, sulfinylbi, Registry, 16 November 1984 (16.11.1984), pp. 1-2.				
	<u>.</u>				
Further documents are listed in the continuation of Box C. See patent family annex.					
* S ₁	pecial categories of cited documents:	"T" later document published after the inter			
	defining the general state of the art which is not considered to be	date and not in conflict with the application principle or theory underlying the inventor document of particular relevance; the document of particular relevance;	ntion		
	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination			
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	e art		
priority date claimed		"&" document member of the same patent family			
Date of the ac	ctual completion of the international search	Date of mailing of the international search report			
16 November 2004 (16.11.2004)		11 JAN 2005			
Name and mailing address of the ISA/US Authorized officer Mana Authorized			Jart		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Jennifer Ione Harle Telephone No. (571) 272-1600			
Facsimile No. (703) 305-3230					

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